

What About Vertical Excursions to Overlying and Underlying USDWs?

- ◆ Applicant apparently does not understand or misinterprets results of their own aquifer testing for PA-1 Application (Sand B)

p. 4-2; “it is necessary to establish that there is **no communication** between the fluids in the ore zone and water in overlying aquifers”

p. 4-22; “the pumping tests in PTW-1 and PTW-6 demonstrates that there is **no communication** between the overlying Sand A aquifer and B sand aquifers”



Vertical Excursions Cont'd ...

- ♦ p. 4-23; “Figure 4-10 shows that there was a very slight increase in water levels in OMW-1 during the PTW-1 test. If there were hydraulic communication between the pumped Sand B and Sand A, there would be an obvious decline in the water level of OMW-1”



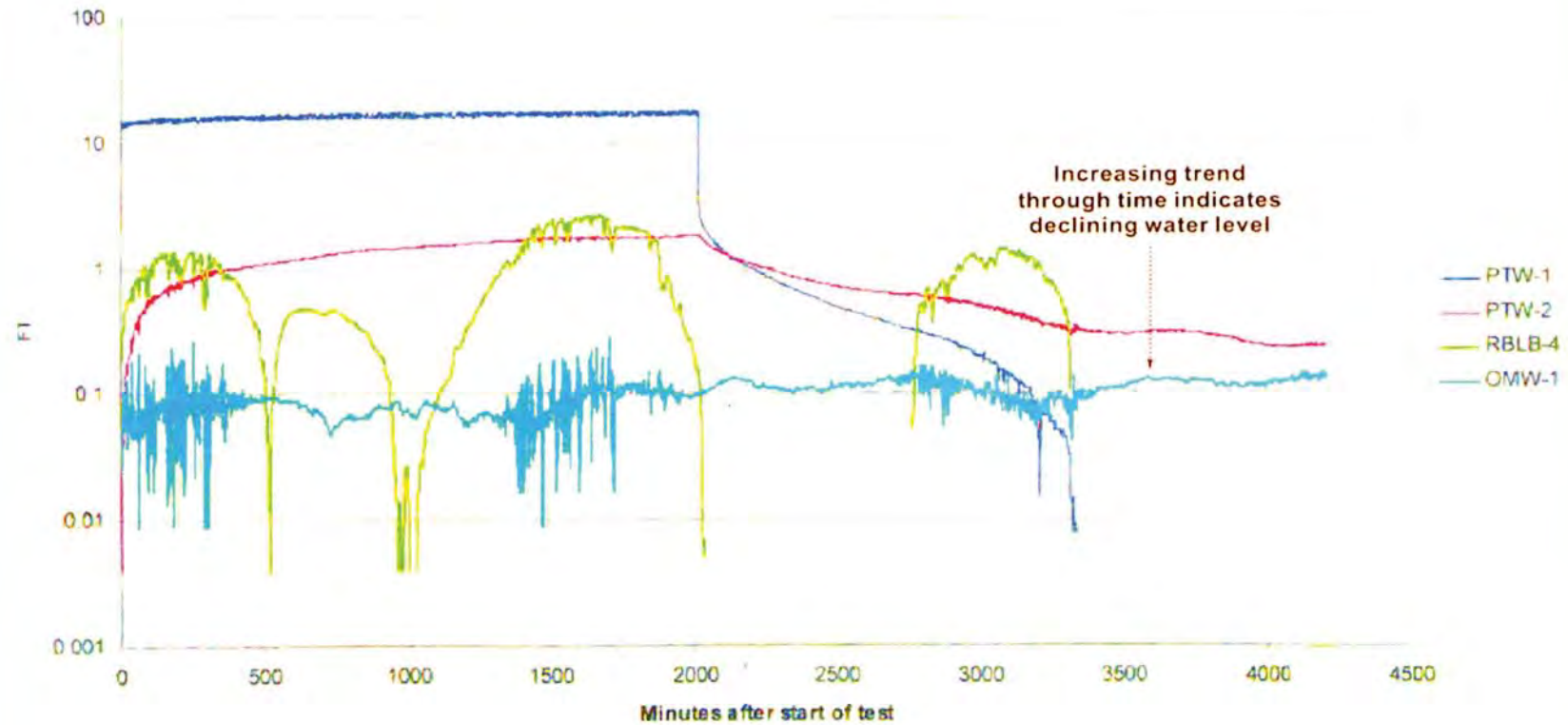


Figure 4.10. Water level drawdown and recovery from the Hermit data logger for the PTW-1 test.

GOLIAD TCEQ HEARING
Plot of Drawdown Through Time for
PTW-1 Aquifer Test from UEC PA-1 Application



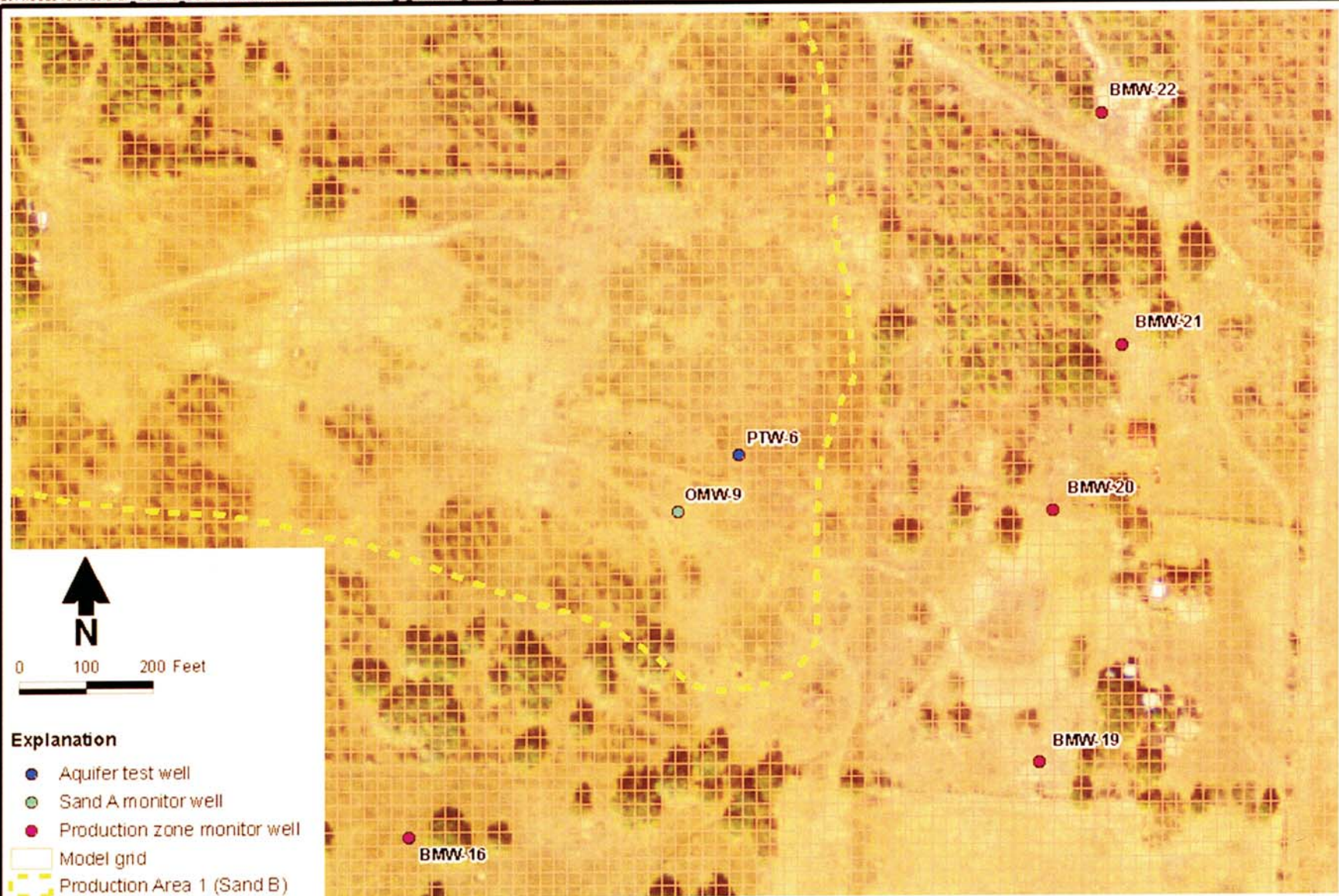
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Vertical Excursions Cont'd ...

- ◆ Numerical simulation of the PTW-6 test indicates that expected drawdown in Sand A monitor well OMW-9 would be 0.05 ft or less due to the pumping from Sand B well PTW-6 for the test
- ◆ Claims made by applicant regarding vertical communication between Sand B and overlying Sand A are not substantiated by their aquifer testing





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GOLIAD TCEQ HEARING
**Aquifer Test Well Locations
Considered in the Drawdown Modeling**

Exhibit GCGCD Blandford F